

AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. (Previously Presented) A toy system comprising:

a pair of driving sources for individually generating driving forces on right and left sides of a moving body;

an operating device having a throttle portion operating to direct a velocity of said moving body and a steering portion operating to direct an advancing course of said moving body, and capable of outputting a signal corresponding to operation states of said throttle portion and said steering portion;

a driving control device controlling driving velocities of each of the pair of driving sources such that the driving velocities of said pair of driving sources are increased or decreased in association with an operation amount of said throttle portion, and, when said steering portion is operated from a predetermined neutral position, a difference occurs between the driving velocities of said pair of driving sources at a velocity ratio which is defined as a value obtained by dividing the driving velocities of the driving sources at a low velocity side by the driving velocities at a high velocity side, in association with the operation amount of the steering portion;

a setting device accepting a setting operation inputting setting values setting a predetermined parameter defined as an item to give an influence on an ease of turning said moving body by a user; and

a storing device for storing plural kinds of data pieces for specifying a relationship between said operation amount of said throttle portion and said velocity ratio when said operation amount of said steering portion is a predetermined reference value, so as to be associated with each of the setting values setting said predetermined parameter as set by the setting operation, wherein:

a data piece for specifying the relationship between said operation amount of said throttle portion and said velocity ratio generated when said operation amount of said steering portion is the predetermined reference value is constituted such that said velocity ratio corresponding to said reference value becomes larger as said operation amount of said throttle portion is increased, and

said driving control device selects a data piece corresponding to the setting value of said parameter among said plural kinds of data pieces, which are stored in said storing device, and with reference to a relationship between said reference value and said velocity ratio, which is specified by the selected data piece, changes a correspondence relationship between said operation amount of said steering portion and said velocity ratio such that said pair of driving sources are driven at

a velocity ratio corresponding to said reference value when said operation amount of said steering portion reaches said reference value, and said velocity ratio becomes smaller as said operation amount of said steering portion is increased.

Claims 2-5 (cancelled).

6. (Previously Presented) The toy system according to claim 1,
wherein said reference value is set to a maximum value of said operation amount of said steering portion.

7. (Previously Presented) The toy system according to claim 1,
wherein said setting device is capable of accepting a setting operation of another parameter, which is defined as an item to give an influence on a maximum velocity of said driving sources, by a user, and said driving control device changes a maximum value of the driving velocity velocities of said driving source sources, which is obtained when said throttle portion is operated to a fullest extent in response to a setting value of said another parameter.

8. (Previously Presented) The toy system according to claim 1, further comprising a transmitter for controlling said moving body by remote control;

wherein said steering portion is disposed in said transmitter.

9. (original) The toy system according to claim 1,

wherein driving members are arranged on right and left sides of said moving body, respectively, and said pair of driving sources drive said driving members individually.

10. (Previously Presented) The toy system according to claim 9,

wherein said moving body comprises an automobile, and said right and left driving members comprise driving wheels disposed on right and left sides of the present automobile.

11. (Previously Presented) The toy system according to claim 10,

wherein a displaying device is annexed to said setting device, and said displaying device displays information for making a user become aware of the setting operation of said parameter, which is defined as an item to give the influence on the ease of turning said moving body, as an operation for setting hardness of suspension mounted back and forth of said automobile.

12. (Previously Presented) A toy system comprising:

a pair of driving sources for individually generating driving forces on right and left sides of a moving body;

an operating device having:

a throttle portion operating to direct a velocity of said moving body and

a steering portion operating to direct an advancing course of said moving body;

said operating device outputting a signal corresponding to operation states of said throttle portion and said steering portion;

a driving control device controlling driving velocities of each of the pair of driving sources such that the driving velocities of said pair of driving sources are varied in association with an operation amount of said throttle portion, and, when said steering portion is operated from a predetermined neutral position, a difference occurs between the driving velocities of said pair of driving sources at a velocity ratio which is defined as a value obtained by dividing the driving velocities of the driving sources at a first velocity by the driving velocities of the driving sources at a second velocity, in association with the operation amount of

the steering portion, wherein said first driving velocity is less than said second driving velocity;

a setting device accepting a setting operation inputting setting values setting a predetermined parameter defined as an item to give an influence on an ease of turning said moving body by a user; and

a storing device for storing plural information for specifying a relationship between said operation amount of said throttle portion and said velocity ratio when said operation amount of said steering portion is a predetermined reference value, so as to be associated with each of the setting values setting said predetermined parameter as set by the setting operation, wherein:

information of said plural information for specifying the relationship between said operation amount of said throttle portion and said velocity ratio generated when said operation amount of said steering portion is the predetermined reference value is constituted such that said velocity ratio corresponding to said reference value becomes larger as said operation amount of said throttle portion is increased, and

said driving control device selects information of said plural information corresponding to the setting value of said parameter from among said plural information, which are stored in said storing device, and with reference to a relationship between said reference value and said velocity ratio, which is specified

by the selected information, changes a correspondence relationship between said operation amount of said steering portion and said velocity ratio such that said pair of driving sources are driven at a velocity ratio corresponding to said reference value when said operation amount of said steering portion reaches said reference value, and said velocity ratio becomes smaller as said operation amount of said steering portion is increased.

13. (Previously Presented) The toy system according to claim 12,
wherein said reference value is set to a maximum value of said operation amount of said steering portion.

14. (Previously Presented) The toy system according to claim 12,
wherein said setting device is capable of accepting a setting operation of another parameter, which is defined as an item to give an influence on a maximum velocity of said driving sources, by a user, and said driving control device changes a maximum value of the driving velocities of said driving sources, which is obtained when said throttle portion is operated to a fullest extent in response to a setting value of said another parameter.

15. (Previously Presented) The toy system according to claim 12, further comprising:

a transmitter for controlling said moving body by remote control; and
said steering portion being disposed in said transmitter.

16. (Previously Presented) The toy system according to claim 12,
wherein driving members are arranged on right and left sides of said moving body, respectively, and said pair of driving sources drive said driving members individually.

17. (Previously Presented) The toy system according to claim 16,
wherein said moving body comprises an automobile, and said right and left driving members comprise driving wheels disposed on right and left sides of the automobile.

18. (Previously Presented) The toy system according to claim 17,
wherein a displaying device is annexed to said setting device, and said displaying device displays information for making a user become aware of the setting operation of said parameter, which is defined as an item to give the

influence on the ease of turning said moving body, as an operation for setting hardness of suspension mounted back and forth of said automobile.

19. (New) A control system for a propelled device, comprising:

a movable body having first and second drive sources on opposing sides of the movable body for respectively propelling the movable body;

an operating device having a throttle control adapted to permit a user to input a throttle setting for controlling said first and second drive sources to propel said movable body at a corresponding velocity;

said operating device having a steering control adapted to permit a user to input a steering setting for effecting steering of said movable body;

a setting device adapted to permit a user to input configuration settings determining a selected one of a plurality of characteristic setting values;

a storage device for storing performance characteristic data defining a plurality of steering characteristics respectively corresponding to ones of said plurality of characteristic setting values, each of said steering characteristics defining a steering velocity ratio which changes based on both:

said steering setting; and

said throttle setting,

said steering velocity ratio being used to set a ratio of a first velocity of one of said first and second drive sources to a second velocity of another one of said first and second drive sources for effecting steering of said movable body, wherein said first and second velocities are determined based on relative values of said first and second velocities; and

a controller responsive to said throttle setting, said steering setting, and a selected one of said characteristic setting values for controlling said first and second drive sources, said controller respectively controlling velocities of said first and second drive sources to correspond to the steering velocity ratio based on said steering setting and said throttle setting in accordance with one of said steering characteristics corresponding to said selected one of said characteristic setting values.

20. (New) The control system of claim 19, wherein:

said data defining said plurality of steering characteristics includes:

data defining a plurality of steering parameter setting functions respectively corresponding to ones of said plurality of characteristic setting values, said steering parameter setting functions determining a steering parameter based on said throttle setting; and

data defining a steering velocity ratio setting function for determining the steering velocity ratio based on said steering parameter and said steering setting; and

said steering characteristics corresponding to said selected one of said characteristic setting values is defined by one of said steering parameter setting functions corresponding to said selected one of said characteristic setting values and said steering velocity ratio setting function.

21. (New) The control system of claim 20, wherein said steering parameter is a steering velocity ratio value of said steering velocity ratio setting function at a predetermined steering setting, which limits a maximum difference between said first and second velocities at said predetermined steering setting.

22. (New) The control system of claim 21, wherein said predetermined steering setting is a maximum possible steering setting.

23. (New) The control system of claim 22, wherein said plurality of steering parameter setting functions set said steering velocity ratio value such that

a limit on said maximum difference between said first and second velocities decreases with an increasing value of said throttle setting.

24. (New) The control system of claim 23, wherein said configuration settings include at least one of a front suspension setting and a rear suspension setting.

25. (New) The control system of claim 23, wherein said configuration settings include both a front suspension setting and a rear suspension setting.

26. (New) The control system of claim 21, wherein said plurality of steering parameter setting functions set said steering velocity ratio value such that a limit on said maximum difference between said first and second velocities decreases with an increasing value of said throttle setting.

27. (New) The control system of claim 26, wherein said configuration settings include at least one of a front suspension setting and a rear suspension setting.

28. (New) The control system of claim 26, wherein said configuration settings include both a front suspension setting and a rear suspension setting.

29. (New) The control system of claim 20, wherein said the steering velocity ratio based on said steering setting and said throttle setting in accordance with said steering characteristics has a limit on a maximum difference between said first and second velocities which decreases with increasing value of said throttle setting.

30. (New) The control system of claim 29, wherein said configuration settings include at least one of a front suspension setting and a rear suspension setting.

31. (New) The control system of claim 29, wherein said configuration settings include both a front suspension setting and a rear suspension setting.

32. (New) The control system of claim 19, wherein said the steering velocity ratio based on said steering setting and said throttle setting in accordance with said steering characteristics has a limit on a maximum difference between said

first and second velocities which decreases with increasing value of said throttle setting.

33. (New) The control system of claim 32, wherein said configuration settings include at least one of a front suspension setting and a rear suspension setting.

34. (New) The control system of claim 32, wherein said configuration settings include both a front suspension setting and a rear suspension setting.

35. (New) The control system of claim 19, wherein said configuration settings include at least one of a front suspension setting and a rear suspension setting.

36. (New) The control system of claim 19, wherein said configuration settings include both a front suspension setting and a rear suspension setting.

37. (Currently Amended) The control system of claim 20, wherein said steering parameter is a variable controlling said steering velocity ratio setting function which limits said [[the]] steering velocity ratio based on said steering

setting and said throttle setting in accordance with said steering characteristics such that a limit on a maximum difference between said first and second velocities which decreases with increasing value of said throttle setting.

38. (New) The control system of claim 37, wherein said configuration settings include at least one of a front suspension setting and a rear suspension setting.

39. (New) The control system of claim 37, wherein said configuration settings include both a front suspension setting and a rear suspension setting.